PATENT CLAIMS

1. Method for assisting the landing and/or takeoff of a powered flying object, **characterized by** the provision of a, relative to a landing and/or takeoff area (10), stationary-generated fluid current, in order to introduce energy into the flying object.

2. Method according to Claim 1, **characterized in that** the direction of the fluid current is adjusted depending on the situation.

3. Method according to Claim 1, **characterized in that** the value of at least one physical parameter of the fluid current is adjusted depending on the situation.

4. Method according to Claim 3, **characterized in that** the at least one physical parameter comprises at least one of the following parameters: temperature of the fluid current, density of the fluid current, velocity of the fluid current, homogeneity of the fluid current and laminarity rate of the fluid current.

5. Method according to Claim 1, **characterized in that** the fluid current provided has a certain specific density and if necessary is enriched by at least one substance of higher specific density.

6. Method according to Claim 1, **characterized in that** a fire-extinguishing agent is introduced into the fluid current provided.

7. Method according to Claim 1, **characterized in that** the fluid current provided is a wind generated artificially from the existing atmosphere, a matter stream or a mass flow.

8. Method according to Claim 1, **characterized in that** to assist the landing of a flying object firstly a fluid current is provided, which is capable of decelerating the flying object, and then a fluid current is provided, which is capable of lowering the flying object from a hovering position onto the landing area (10).

9. Method according to Claim 1, **characterized in that** to assist the takeoff of a flying object firstly a fluid current is provided, which is capable of lifting the flying object from the takeoff area (10) to a hovering position and then a fluid current is provided, which is capable of accelerating the flying object in a desired direction.

10. Apparatus for assisting the landing and/or takeoff of a powered flying object, **characterized by** at least one, related to a landing and/or a takeoff area (10), stationary fluid current generator (11), which is designed to provide a fluid current in order to introduce energy into a flying object.

11. Apparatus according to Claim 10, **characterized in that** the fluid current provided by the fluid current generator (11) can be adjusted.

12. Apparatus according to Claim 10, **characterized in that** the fluid current generator is designed so as to vary the value of at least one physical parameter of the fluid current provided.

13. Apparatus according to Claim 10, **characterized by** a heating element (12) for heating up the fluid current provided.

14. Apparatus according to Claim 10, **characterized by** a cooling element (12) for cooling down the fluid current provided.

15. Apparatus according to Claim 10, **characterized by** a substance supply unit (13) for introducing an additional substance into a fluid current provided, wherein the additional substance has a higher specific density than the fluid current provided.

16. Apparatus according to Claim 10, **characterized by** a fire-extinguishing agent supply unit (13) for introducing a fire-extinguishing agent into the fluid current provided.

17. Apparatus according to Claim 10, **characterized in that** the at least one fluid current generator comprises at least one blower (11).

18. Apparatus according to Claim 16, **characterized in that** the at least one blower comprises at least one turbofan (11).

19. Apparatus according to Claim 10, **characterized in that** the at least one fluid current generator (11) is designed so as to provide as fluid current a wind artificially generated from the existing atmosphere, a matter stream or a mass flow.

20. Apparatus according to Claim 10, **characterized by** a control device (14) for determining the optimum value of at least one parameter of the fluid current being provided by the at least one fluid current generator and for adjusting this at least one parameter value.

21. Apparatus according to Claim 19, **characterized in that** the at least one parameter comprises at least one of the following parameters: direction of the fluid current, temperature of the fluid current, density of the fluid current, velocity of the fluid current, homogeneity of the fluid current and laminarity rate of the fluid current.